
North America's Leader in Hazardous Material Information Management
1905 Aston Avenue, Carlsbad, CA 92008
Phone (800) 451-8346 Fax (760) 602-8888

MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☒ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Titan Corporation
Product Name: Marine Epoxy W/Hardener 12 Oz.



MATERIAL SAFETY DATA SHEET

COMPILER WITH WAC 294-420-013

REVISION/REVISION DATE
 April 1992

MANUFACTURER
 TITAN CORPORATION
 5629 208th St. SW
 Lynnwood, WA 98036
 (206) 775-2582

PRODUCT
 Methyl Ethyl Ketone Peroxide
 Organic Peroxide

USE
 Hardener or catalyst for polyester resin

Chemical and common name
 Methyl ethyl ketone peroxide
 active oxygen

C.A.S.#1338-23-4

Fire Code - Class III Organic Peroxide

Dimethyl peroxide

C.A.S.#131-11-3

Fire Code - Class III-B Combustible

H.M.I.S. Code

Health 2

Fire 2

Reactivity 2

Special Handling - None

CAUTIONING INSTRUCTIONS

Chemical and common name

N/A

Printed on 100% recycled paper with 50% post consumer waste

SECTION 2: HAZARD DATA

Effects of exposure:

Irritation: Skin - Severe, Eye - Severe
 Corrosivity: Eye - Severe, may cause blindness

SECTION 3: HAZARD DATA

Specific symptoms and effects of over exposure not known, but will cause severe eye irritation; may cause blindness. Harmful if inhaled. Harmful or fatal if swallowed. Moderate skin irritant.

SECTION 4: HAZARD DATA

Eye, Skin, Inhalation, and Ingestion
 N/A

SECTION 5: HAZARD DATA

EYES: Immediately flush with large quantities of water on site for 20 to 30 minutes. Hold eyes open while flushing. Call a physician. Continue water flush up to one hour during transport to a medical facility.

SKIN CONTACT: Wash with soap and water. If irritation occurs, see a physician

INHALATION: Remove to fresh air. Consult a physician if discomfort persists.

IF SWALLOWED: Administer large quantities of water if person is conscious.

Never give anything by mouth to an unconscious person. Immediately seek medical attention.

SECTION 6: HAZARD DATA

Volatility (vapor pressure)

N/A

Clear oily liquid, ketone odor.

SECTION V. PHYSICAL HAZARD DATA			
Flash Point (closed cup)	Flammable Limits	LD ₅₀	LD ₅₀
180°F - Sealflash closed		N/A	N/A
<p>EXPOSURE DATA</p> <p>Water spray, water fog, dry chemical and foam</p> <p>Special fire fighting procedures</p> <p>If large amount involved, evacuate area and fight fire from safe distance.</p>			
<p>HAZARD PRECAUTIONS</p> <p>Heat or contamination may lead to fire and explosive decomp. If confined during exposure to fire, can decompose with force.</p>			
<p>COMBUSTIBILITY (flammable or oxidizing)</p> <p>Strong acids and transition metal salts, promoters.</p> <p>Hazardous decomposition products are flammable.</p> <p>Decomposition products are flammable.</p>			
<p>HAZARDOUS POLYMERIZATION</p> <p>MAY OCCUR</p> <p>WILL NOT OCCUR</p>		<p>N/A</p> <p>EXPOSURE TO WASH</p>	
<p>STABILITY</p> <p>UNSTABLE</p> <p>STABLE</p>		<p>X</p> <p>Thermal decomposition and contamination</p>	
<p>REACTIVITY (reacts with water, acids, bases, oxidizing agents, reducing agents, etc.)</p> <p>Use appropriate protective clothing during clean-up. Absorb spills with inert material such as perlite, vermiculite, or sand and then wet with water.</p> <p>Sweep up using non-sparking equipment and place in double polyethylene bags.</p> <p>Isolate leakers and contaminated containers to a safe place for disposal.</p>			
<p>WASTE DISPOSAL METHODS</p> <p>Dispose of in accordance with all applicable federal, state, and local regulations. Dispose of waste at EPA-approved hazardous waste disposal facilities.</p>			

SECTION VI. EXPOSURE CONTROL INFORMATION			
<p>RESPIRATORY PROTECTION (Specify type)</p> <p>Use only NIOSH/MSHA approved equipment. Can or cartridge, gas or vapor.</p>			
<p>VENTILATION</p> <p>LOCAL EXHAUST</p> <p>USE WITH ADEQUATE VENTILATION</p>	<p>X</p> <p>USE WITH ADEQUATE VENTILATION</p>	<p>HAZARDOUS MATERIALS</p> <p>Methyl Ethyl Ketone Peroxide: 0.1ppm (5µg/m³) ceiling (OSHA/ACGIH)</p> <p>Dimethylphthalate: 5mg/m³ (OSHA/ACGIH)</p> <p>Safety glasses or goggles.</p>	
<p>OTHER PROTECTIVE EQUIPMENT</p> <p>RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH/MSHA certified respirator w/ organic vapor cartridge if vapor concentration exceeds permissible exposure limit</p> <p>PROTECTIVE GLOVES: Neoprene type</p> <p>EYE PROTECTION: Chemical safety goggles</p> <p>OTHER PROTECTIVE EQUIPMENT: As required to protect against skin contact</p> <p>OTHER ENGINEERING CONTROLS: Eye wash station</p>			
<p>SKIN PROTECTION</p> <p>Do not get in eyes, on skin or clothing</p>			
<p>HAZARDOUS MATERIALS</p> <p>Wash thoroughly after handling</p>			
<p>PRECAUTIONS TO BE TAKEN BY EMPLOYEES AND OTHERS</p> <p>Store below 100°F to maintain active oxygen content, preferably between 60-85°F. Wash thoroughly after handling. Do not get in eyes, on skin or clothing</p> <p>Keep containers closed. Keep away from heat, sparks, and open flames. Store in tightly closed containers. Do not store near combustibles. Empty containers may contain hazardous residues.</p>			
<p>SHIPPING REGULATIONS: Hazard Class or Division: 5.2</p> <p>Proper Shipping Name: Organic Peroxide type D, liquid</p> <p>Identification Number UN 3105</p> <p>Packing Group: II</p>			
<p>Labels Required: Organic Peroxide</p> <p>DICHALENES: The information contained herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable regarding all current regulations.</p>			

SECTION V. PHYSICAL HAZARD DATA	
Flash Point (Method used)	Flammable Limits
350°F. PMCC	N/A
Extinguishing Media	
Foam, CO ₂ , dry chemicals	
Special Fire Fighting Procedures	
Fire Fighting Equipment:	Wear positive pressure self-contained breathing apparatus during fire-fighting.
INITIAL FIRE AND EXPLOSION HAZARDS	
None Known	
Hazardous Materials to Avoid: Base	
Various phenolic compounds CO and/or CO ₂ may be evolved.	
Hazardous Polymerization	Will not occur by itself, but masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization with heat build-up.
Stability	Excessive heating over long periods of time degrades the resin. Freezing may cause a temporary haziness. Fire conditions increase viscosity.
Steps to be taken in case of spill, leak, or fire: Soak up in non-reactive absorbent material or scrape up. The residue can be removed with hot soapy water. Use of methylene chloride, acetone, or aromatic solvents in clean up poses a distinct hazard and therefore should be avoided.	
Waste Disposal Method	
At this time, this material or its containers would not be considered hazardous wastes as defined under the federal RCRA regulations (40 CFR 261) if discarded. Care should be taken to ensure that the material or its containers are disposed of in an approved facility in accordance with current federal, state, and local regulations. For further information, contact your state or local waste agency or the U.S. Environmental Protection Agency's 1-800-424-9346, or (202) 362-3000.	

SECTION VII. EXPOSURE CONTROL INFORMATION	
Respiratory Protection (Specify type)	
N/A	
Ventilation	Good room ventilation usually adequate for most operations.
Local Exhaust	
N/A	
Protective Gloves	
See Below	
Other Protective Equipment	
Clean body covering clothing. In addition, rubber gloves, boots, aprons, gauntlets, and full face shield depending upon extent and severity of exposure likely.	
Other Engineering Controls	
N/A	
WORK PRACTICES	
Practice caution and good personal cleanliness to avoid skin and eye irritation and contact. Avoid breathing vapors of heated material.	
HYGIENE PRACTICES	
N/A	
PRECAUTIONS TO BE TAKEN IN HANDLING AND TONING	
This material may cause sensitization. Do not get in eyes, or on skin or clothing.	
SUPPLEMENTAL INFORMATION	
SARA STATUS: This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372. This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370): acute, chronic. SHIPPING INFORMATION: DOT Shipping Name: Not regulated by DOT, UN Number: None, DOT Hazard Class: None	
DISCLAIMER: The information contained herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable regarding all current regulations.	

Manufacturer Memorandum Sheet

Date: 6-Feb-97
TO: MSDS Requester
FROM: Shannon North - 3E Company Data Management
RE: The MSDS you have requested

Manufacturer: Titan Corporation
Product Name: Marine Epoxy W/Hardener 12 Oz.
Product #:
Mfg Contact Name: Buffy
Mfg Phone #: (206) 775-2582

Per the manufacturer the MSDS(s) listed below cover the above product.
Epoxy 760 Builders Glue Coating Epoxy
Hardener or catalyst for polyester resins